

LAND APPLICATION SITE

JOHN D LACKS SITE

LUJDL 1-27

LUNENBURG COUNTY

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-23-13 between JOHN D. LACKS referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUNEBURG Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
<u>Tm 77(1), P 6</u>	<u>Tm 78(2), P1</u>		
<u>Tm 77(1)P 6A</u>	<u>Tm 78(2), P2</u>		
<u>Tm 78(A), P14</u>			
<u>Tm 78(A), P15</u>			
<u>Tm 78(A), P16</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

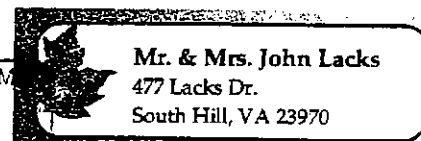
The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

John & Ellen
Landowner - Printed Name, Title

John & Ellen Lacks
Signature



Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]
Permittee - Authorized Representative
Printed Name

Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNENBURG CO.

Landowner: JOHN D. OR ELLEN LACKS

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

John + Ellen Lacks
Landowner's Signature

8-23-13
Date

Farm Operator Signature

Mailing Address & Phone Number

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-20-13 between JOHN I. LACKS here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUENBURG Co Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
<u>Tm 78(A), P 7</u>			
<u>Tm 78(A), P 9</u>	<u>78-A-11C</u>		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

John I Lacks Pennypacker 285 Beaver Creek Rd
Landowner - Printed Name, Title Signature Mailing Address & Phone Number Smith Hill

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Samuel Samuel PO Box 562 Remington, Virginia 22734
Permittee - Authorized Representative Signature Mailing Address
Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNEBURG Co.

Landowner: JOHN I. + PENNY LACKS

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
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 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days.
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 - c. Other animals shall be restricted from grazing for 30 days.
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia.
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

John I. Lacks
Landowner's Signature

8-20-13
Date

Farm Operator Signature

Mailing Address & Phone Number

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc

County or City: LUNEBURG Co.

Landowner: JOHN I. + PENNY LACKS

Landowner Site Management Requirements:

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John I. Lacks
Landowner's Signature

8-20-13
Date

Farm Operator Signature

Mailing Address & Phone Number

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-23-13 between DANNY LACKS referred to here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in LUNEBURG Co Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
<u>TM 78(A), P16A</u>			
<u>TM 78(2), P 1</u>			
<u>TM 78(2), P 2</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
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The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids
☒ Yes ☐ No

Water treatment residuals
☒ Yes ☐ No

Food processing waste
☒ Yes ☐ No

Other industrial sludges
☒ Yes ☐ No

Danny Lacks owner

Landowner - Printed Name, Title

Signature

Danny Lacks

Mailing Address & Phone Number

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

[Signature]
 Permittee - Authorized Representative
 Printed Name

Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: LUNENBURG Co.
Landowner: DANNY LACKS

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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4. Livestock Access Restrictions:

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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Danny Lacks
Landowner's Signature

Aug. 23. 13
Date

Farm Operator Signature

Mailing Address & Phone Number

John D Lacks Site
Lunenburg County

<u>Owner(s)</u>	<u>Tax Map and Parcel #</u>
John D Lacks or Ellen D. Lacks 477 Lacks Dr. South Hill, Va. 23970 (434) 774 – 8747	TM – 77/ 78 Parcels – (1) 6, 6A/ (A) 14–16, (2) 1, 2
John Irvin Lacks or Penny Lacks 354 Beaver Creek Rd. South Hill, Va. 23970 (434) 676 – 2607	TM – 78 Parcels – (A) 7, 9
Danny R lacks 173 Lacks Dr. South Hill, Va. 23970 (434) 676 – 1274	TM – 78 Parcels – (A) 16A

FARM DATA SHEET

SITE NAME:	John D Lacks Site	COUNTY:	Lunenburg
OWNER:	See Attached	OPERATOR:	John D Lacks
OWNER'S ADDRESS:	See Attached	OPERATOR'S ADDRESS:	477 Lacks Dr. South Hill, Va. 23970
OWNER'S TELEPHONE:	See Attached	OPERATOR'S TELEPHONE:	(434) 676-2257
GENERAL FARM TYPE:	Hay/ Pasture	CELLPHONE:	(434) 774-8747
# CATTLE:	210 head	EMAIL:	-----
LAGOON or SLURRY:	None	LATITUDE:	36° 48' 31" N
TOPO QUAD:	North View	LONGITUDE:	78° 1120' W
COMMENTS:			

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RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUJDL 1	22.2	-	2C,2D	-	-	CM08	TM78A,P6A	T639 Fields 12,14
LUJDL 2	11.3	-	-	-	-	CM08	TM78A,P6A	T639 Field 13
LUJDL 3	24.7	-	-	-	-	CM08	TM78A,P6,6A	T639 Field 17
LUJDL 4	37.7	-	2C,2D,2E	-	-	CM08	TM78A,P6,6A	T639 Field 15
LUJDL 5	18.9	-	2D,2E	-	-	CM08	TM78A,P6,6A	T639 Field 16
LUJDL 6	7.6	-	20D	-	-	CM09	TM78A,P9	T828 Fields 2,5
LUJDL 7	7.8	13B,10C2(Dec-May)	-	-	-	CM09	TM78A,P9	T828 Field 3
LUJDL 8	30.9	13B,10C2(Dec-May)	-	-	-	CM09	TM78A,P7,9	T828 Field 4
LUJDL 9	8.8	-	-	-	-	CM09	TM78A,P9	T828 Fields 1,6
LUJDL 10	15.9	-	-	-	-	CM09	TM78A,P14	T848 Field 7
LUJDL 11	15.7	6(Nov-Apr)	-	-	6(Jan-Dec)	CM09	TM78A,P14	T848 Field 1
LUJDL 12	21.8	-	-	-	-	CM09	TM78A,P14	T848 Field 3

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUJDL 13	10.7	6(Nov-Apr)	-	-	6(Jan_Dec)	CM09	TM78A,P14	T848 Fields 2,4
LUJDL 14	9.4	6(Nov-Apr)	2C,2D	-	7(Jan-Dec)	CM09	TM78A,P14	T848 Fields 5,6,8
LUJDL 15	19.3	-	-	-	-	CM09	TM78A,P16	T726 Field 5
LUJDL 16	13.2	-	2D	-	-	CM09	TM78A,P16	T726 Fields 3,6
LUJDL 17	9.8	-	-	-	-	CM09	TM78A,P15,16	T726/768 Fields 4,13
LUJDL 18	11.6	-	2C,2E	-	-	CM09	TM78A,P15,16	T768 Fields 14,27
LUJDL 19	13.6	-	-	-	-	CM09	TM78A,P16, 16A	T726 Fields 1,2,8,9
LUJDL 20	30.7	-	-	-	-	CM09	TM78.P16, 16A	T726/768 Fields 2,7,9/26
LUJDL 21	27.2	-	-	-	-	CM09	TM78A,P15,16	T768 Fields 15,16,20,28
LUJDL 22	42.4	-	-	-	-	CM09	TM78(2),P1,2	T768 Fields 1,2,3,5,7,8,24

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUJDL 23	22.4	-	-	-	-	CM09	TM78(2),P1,2	T768 Fields 4,6,10
LUJDL 24	16.4	-	-	-	-	CM09	TM78(2),P1	T768 Fields 8,9,11,12
LUJDL 25	33.3	6(Nov-Apr)	2D	-	6(Jan-Dec)	CM09	TM78A,P16 TM78(2),P2	T768 Fields 23,25
LUJDL 26	14.4	6(Nov-Apr)	-	-	6(Jan-Dec)	CM09	TM78A,P15 TM78(2),P2	T768 Field 21
LUJDL 27	38.5	-	2D	-	-	CM09	TM78(2),P1,2	T768 Field 18
TOTAL ACRES IN SITE	536.2							

Report Number: 12-150-0505

Account Number: 70594



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A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-8401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	02585	4.2	M	124	78	H			158	H	183	H	852	M			6.1	6.83	1.0	7.2
2	02586	1.7	L	78	78	H			90	M	89	H	434	M			5.8	6.86	0.7	3.9
3	02587	2.2	L	90	27	L			109	H	65	H	331	M			5.8	6.87	0.6	3.1
4A	02588	2.5	L	95	37	M			71	M	59	M	398	M			5.4	6.82	1.1	3.7
4B	02589	3.7	M	114	90	H			92	M	92	M	1218	H			6.8	6.91	0.2	7.3

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K	Mg	Ca	Na	H	NO ₃ N		S		Zn		Mn		Fe		Cu		B		SS		Cl		Al	
	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm	
1	5.6	21.2	59.2		13.7																				
2	5.9	19.0	55.6		18.9																				
3	9.0	17.5	53.4		18.8																				
4A	4.9	13.3	53.8		28.4																				
4B	3.2	10.5	83.4		2.9																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucie McGoary*

Paucie McGoary

Report Number: 12-150-0505

Account Number: 70594



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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012 SOI

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	1.3				0						
2	Adjust pH to 6.8	0	1.5				0						
3	Adjust pH to 6.8	0	1.5				15						
4A	Adjust pH to 6.8	0	1.8				21						
4B	Adjust pH to 6.8	0	0.0				0						

Comments:

Sample(s) 3, 4A:

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) 4A:

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Report Number: 12-150-0505

Account Number: 70594



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LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
5	02590	2.5	L 9	94	27 L	L		93	H	92	H	447	M			5.8	6.85	0.8	4.0
6	02591	1.7	L 7	77	27 L	L		30	VL	135	H	515	M			5.8	6.84	0.9	4.7
7	02592	2.1	L 8	85	50 M	M		27	VL	117	H	559	M			5.9	6.85	0.8	4.6
8A	02593	1.6	L 7	73	90 H	H		73	L	134	H	573	L			5.3	6.74	1.9	6.0
8B	02594	1.4	L 6	69	120 V	VH		100	M	129	H	585	L			5.2	6.71	2.2	6.5

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ -N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Cl ppm	Al ppm
5	6.0	19.2	55.9		19.0																	
6	1.6	23.9	54.8		18.9																	
7	1.5	21.2	60.8		17.3																	
8A	3.1	18.6	47.8		31.3																	
8B	3.9	16.5	45.0		33.9																	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-150-0505

Account Number: 70594



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Grower:
JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
5	Adjust pH to 6.8	0	1.5				0						
6	Adjust pH to 6.8	0	1.5				0						
7	Adjust pH to 6.8	0	1.5				0						
8A	Adjust pH to 6.8	0	2.3				0						
8B	Adjust pH to 6.8	0	2.3				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paulie McGroary

Paulie McGroary

Report Number: 12-150-0505

Account Number: 70594



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CULPEPER VA 22701

Grower:
JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
9	02595	1.3	L	71	113	H			33	VL	80	H	311	L			5.4	6.84	0.9	3.2
10	02596	3.4	M	106	133	VH			277	VH	242	H	880	M			6.1	6.82	1.1	8.3
11	02597	2.8	M	95	66	H			163	H	198	H	962	M			6.4	6.86	0.7	7.6
12	02598	3.4	M	105	144	VH			187	VH	231	H	1130	M			6.3	6.83	1.0	9.0
13	02599	2.5	L	91	43	M			74	L	176	H	829	M			6.4	6.87	0.6	6.4

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Cl ppm	Al ppm
9	2.6	20.8	48.6		28.5																	
10	8.6	24.3	53.0		13.7																	
11	5.5	21.7	63.3		8.9																	
12	5.3	21.4	62.8		10.6																	
13	3.0	22.9	64.8		8.9																	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucie McGroary*

Paucie McGroary

Report Number: 12-150-0505

Account Number: 70594



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8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
9	Adjust pH to 6.8	0	1.8				0						
10	Adjust pH to 6.8	0	1.3				0						
11	Adjust pH to 6.8	0	1.0				0						
12	Adjust pH to 6.8	0	1.0				0						
13	Adjust pH to 6.6	0	1.0				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paulie McGroary

Paulie McGroary

Report Number: 12-150-0505

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LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Reserve Rate	Rate	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
14	02600	1.9	L	81	63		H		57	L	137	H	651	M			6.4	6.89	0.4	5.0
15	02601	3.5	M	112	78		H		57	L	137	H	659	M			5.7	6.81	1.2	5.8
16	02602	1.8	L	78	37		M		52	VL	133	H	752	M			6.2	6.86	0.7	5.7
17	02603	3.1	M	106	113		H		78	M	115	H	494	M			6.3	6.89	0.4	4.1
18	02605	3.7	M	114	60		H		148	H	122	M	951	M			6.0	6.82	1.1	7.3

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
14	2.9	22.8	65.1		8.9																			
15	2.5	19.7	56.8		21.1																			
16	2.3	19.4	66.0		12.1																			
17	4.9	23.4	60.2		10.4																			
18	5.2	13.9	65.1		15.3																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-150-0505

Account Number: 70594



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Grower:
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LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
14	Adjust pH to 6.8	0	1.0				0						
15	Adjust pH to 6.8	0	1.5				0						
16	Adjust pH to 6.8	0	1.3				0						
17	Adjust pH to 6.8	0	1.0				0						
18	Adjust pH to 6.8	0	1.3				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Submitted By: DREW REYNOLDS
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
19	02606	2.4	L 8	84	113 H	H		260	VH	305	H	1061	M			6.3	6.83	1.0	9.5
20A	02607	3.9	M 12	120	71 H	H		72	L	123	H	642	M			5.6	6.80	1.3	5.8
20B	02608	2.5	L 9	93	25 L	L		84	M	105	H	527	M			5.8	6.84	0.9	4.6
21A	02609	1.7	L 7	79	15 L	L		65	L	50	M	428	M			6.1	6.89	0.4	3.2
22A	02610	2.9	M 10	103	66 H	H		131	H	115	H	422	M			6.4	6.90	0.3	3.7

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	SS ms/cm	Cl ppm	Al ppm
19	7.0	26.8	55.8		10.8										
20A	3.2	17.7	55.3		23.2										
20B	4.7	19.0	57.3		19.0										
21A	5.2	13.0	66.9		13.5										
22A	9.1	25.9	57.0		9.0										

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-150-0505

Account Number: 70594



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Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
19	Adjust pH to 6.8	0	1.0				0						
20A	Adjust pH to 6.8	0	2.0				0						
20B	Adjust pH to 6.8	0	1.5				0						
21A	Adjust pH to 6.8	0	1.3				30						
22A	Adjust pH to 6.8	0	1.0				0						

Comments:

Sample(s) 21A:

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

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A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-8401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:

JOHN D LACKS/LUSDL
LUNENBURG

Submitted By: DREW REYNOLDS

Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 05/29/2012

Date Of Analysis: 05/30/2012

Date Of Report: 05/31/2012

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity		C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
22B	02611	2.5	L	93	48		M		102	M	149	H	593	M			6.2	6.87	0.6		5.1
23	02612	2.2	L	87	65		H		105	M	151	H	622	M			6.4	6.88	0.5		5.1
24	02613	1.9	L	81	113		H		90	M	153	H	655	M			6.7	6.91	0.2		5.0
25A	02614	2.0	L	83	35		M		121	H	123	H	582	M			6.5	6.90	0.3		4.6
25B	02615	2.0	L	84	29		L		101	H	116	H	545	M			6.4	6.89	0.4		4.3

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum	
	K %	Mg %	Ca %	Na %	H %	NO ₃ ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm	
22B	5.1	24.3	58.1		12.1																				
23	5.3	24.7	61.0		8.9																				
24	4.6	25.5	65.5		4.5																				
25A	6.7	22.3	63.3		7.4																				
25B	6.0	22.5	63.4		9.0																				

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 840 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 12-150-0505

Account Number: 70594



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LUNENBURG

Submitted By: DREW REYNOLDS
Farm ID:

Date Received: 05/29/2012

Date Of Report: 05/31/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P ₂ O ₅ lb/A	Potash K ₂ O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
22B	Adjust pH to 6.8	0	1.3				0						
23	Adjust pH to 6.8	0	1.0				0						
24	Adjust pH to 6.8	0	1.0				0						
25A	Adjust pH to 6.8	0	1.0				0						
25B	Adjust pH to 6.8	0	1.0				0						

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paucic McGroary

Paucic McGroary

Report Number: 12-150-0505

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		%	Rate lbs/	ENR lbs/A	Mehlich 3 ppm	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
26	02616	2.1	L 8	85	35	M			116	H	130	H	626	M			6.4	6.89	0.4	5.0
27A	02617	1.9	L 8	81	47	M			63	L	130	H	555	M			6.2	6.87	0.6	4.6
27B	02618	2.0	L 8	84	37	M			73	M	123	H	545	M			6.3	6.88	0.5	4.4
21B	02619	2.4	L 9	93	18	L			66	M	52	M	358	M			5.4	6.84	0.9	3.3

Sample ID Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO ₃ N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
26	5.9	21.7	62.6		8.8																			
27A	3.5	23.6	60.3		12.1																			
27B	4.3	23.3	61.9		10.6																			
21B	5.1	13.1	54.2		26.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: *Paucic McGoary*

Paucic McGoary

Report Number: 12-150-0505

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26	Adjust pH to 6.8	0	1.0				0						
27A	Adjust pH to 6.8	0	1.3				0						
27B	Adjust pH to 6.8	0	1.0				0						
21B	Adjust pH to 6.8	0	1.8				28						

Comments:

Sample(s) 21B:

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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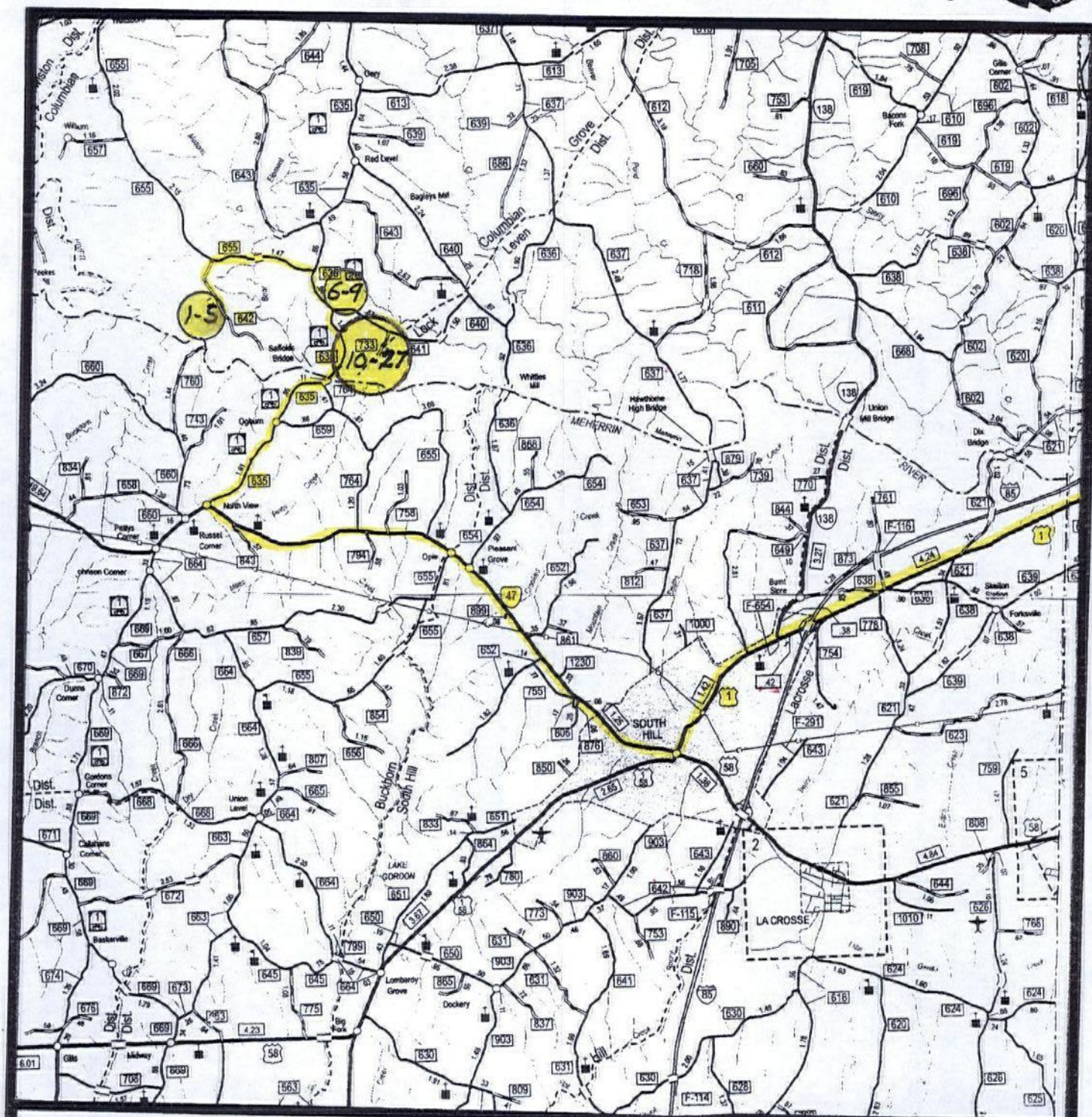
Paucic McGroary

Paucic McGroary

MAPS

Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2 Miles

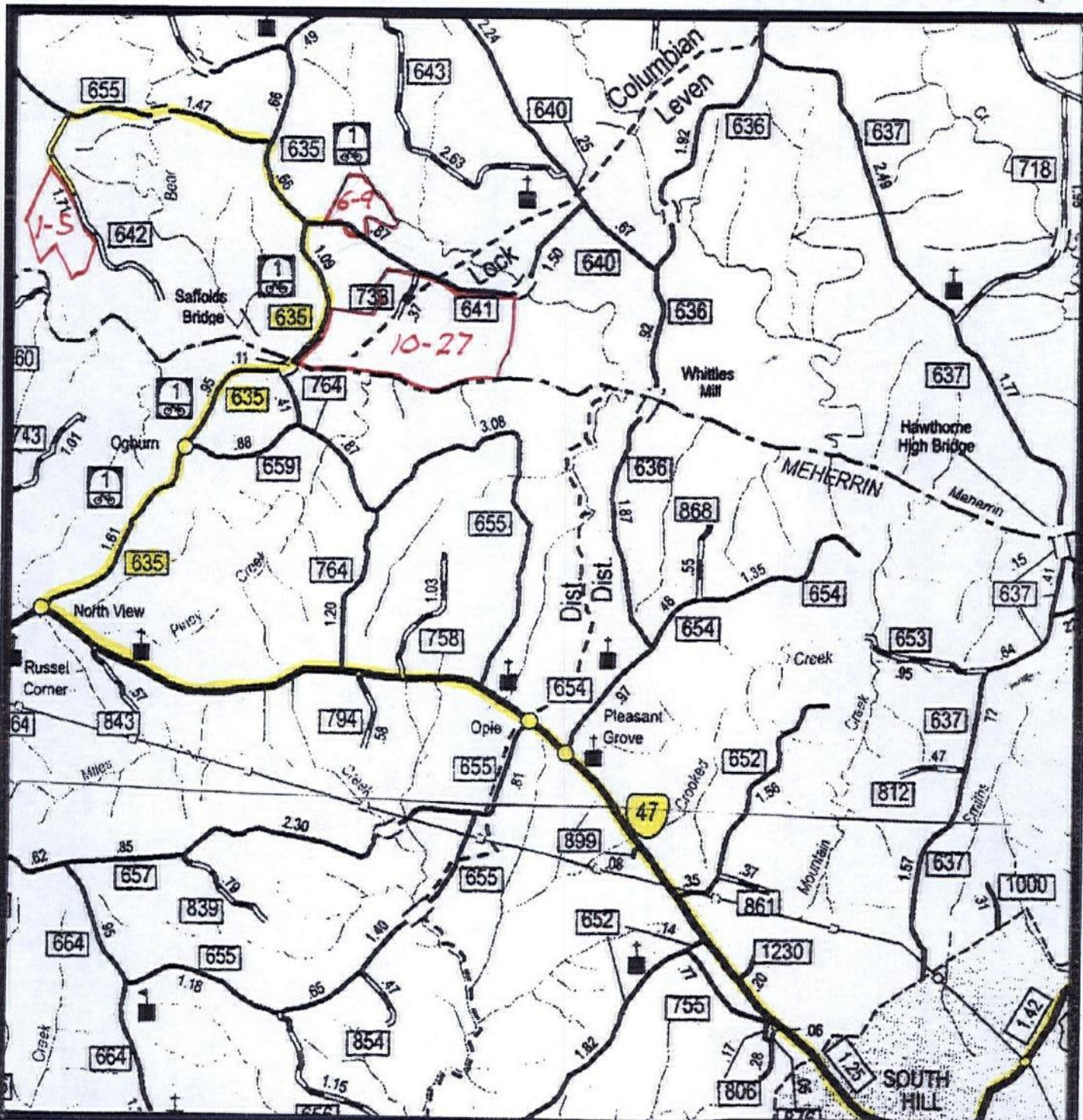
LUJDL 1-27

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 1 Mile

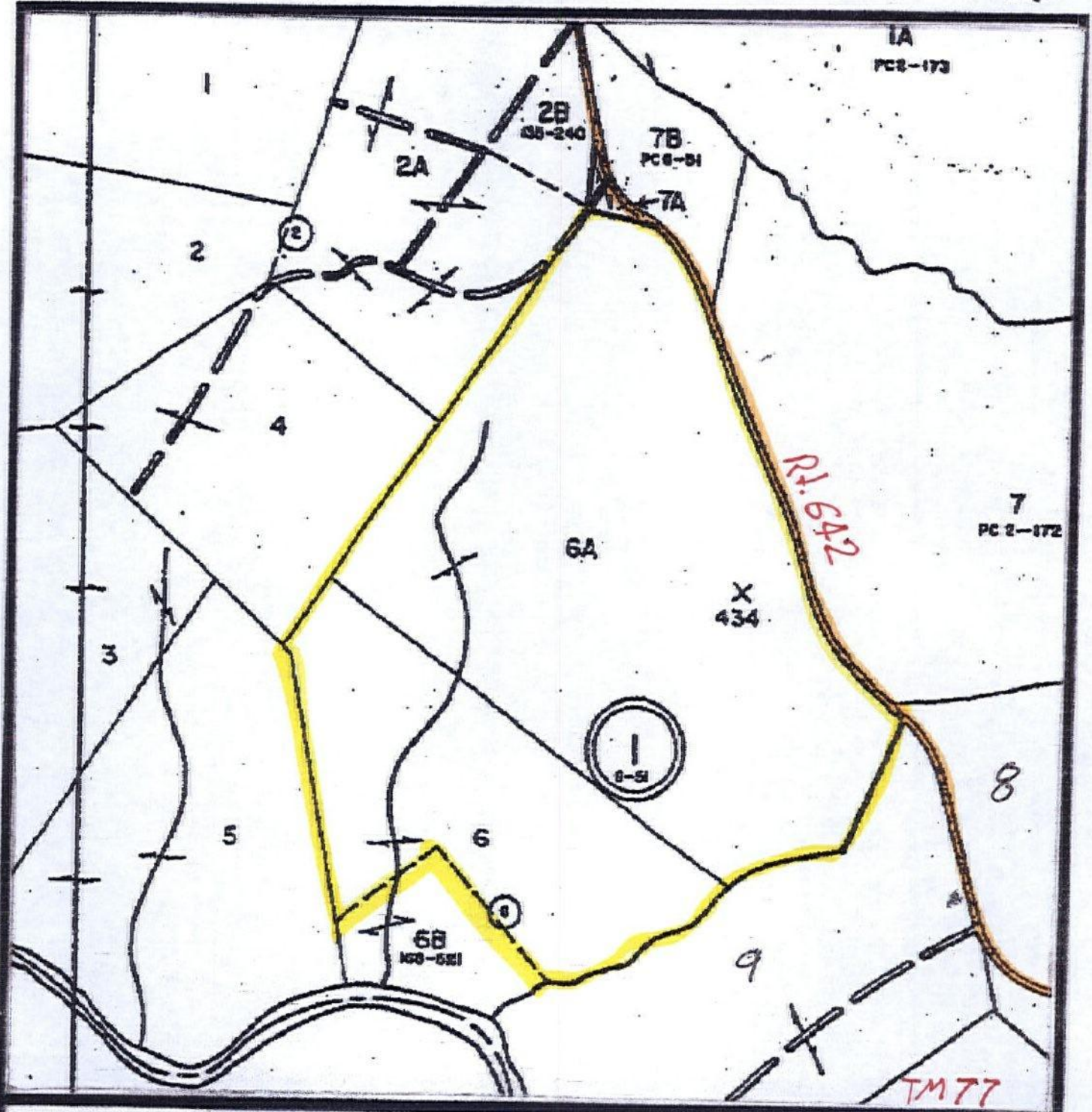
LUJDL 1-27

VICINITY MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

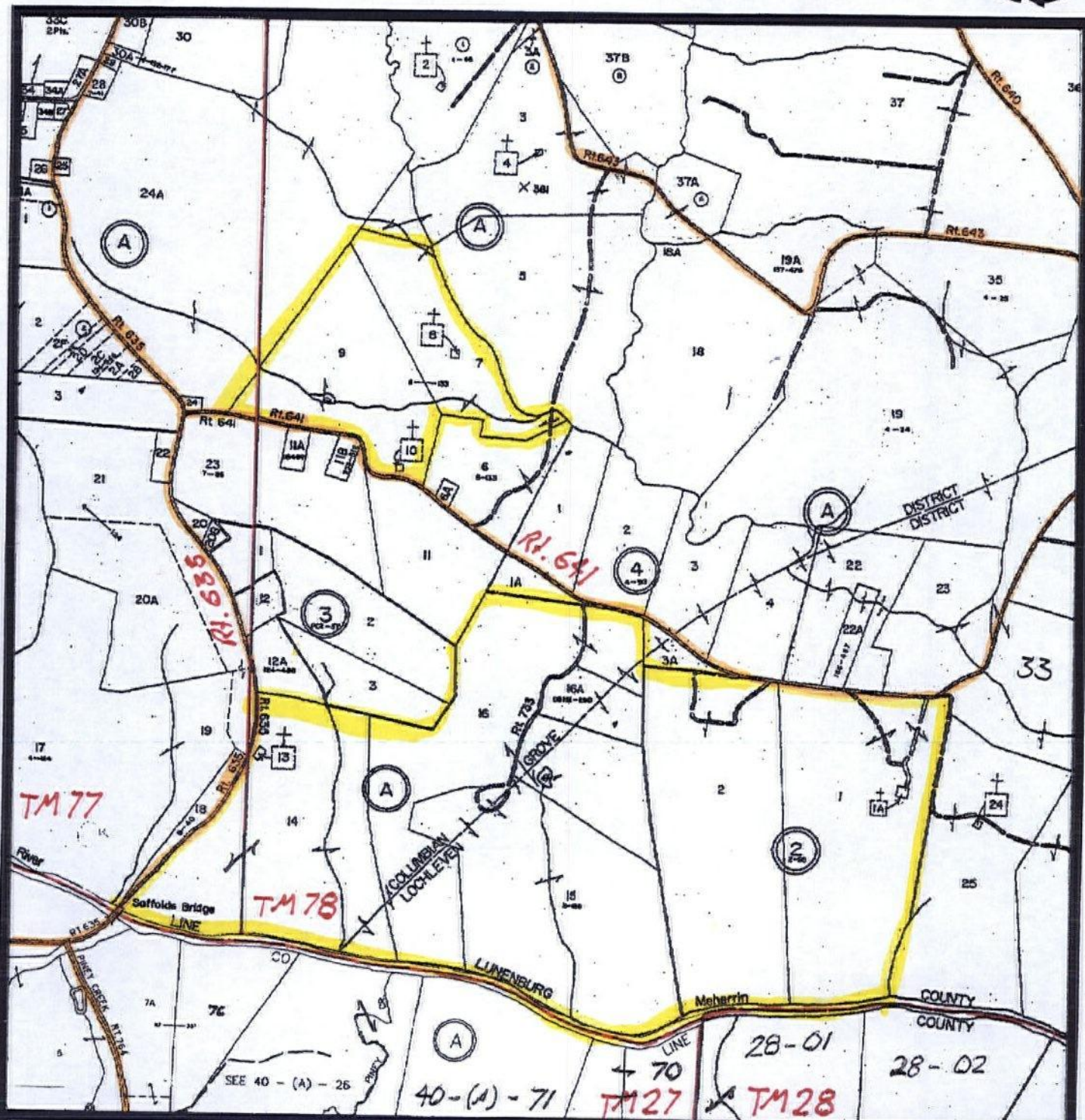
LUJDL 1-5

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 1,500 feet

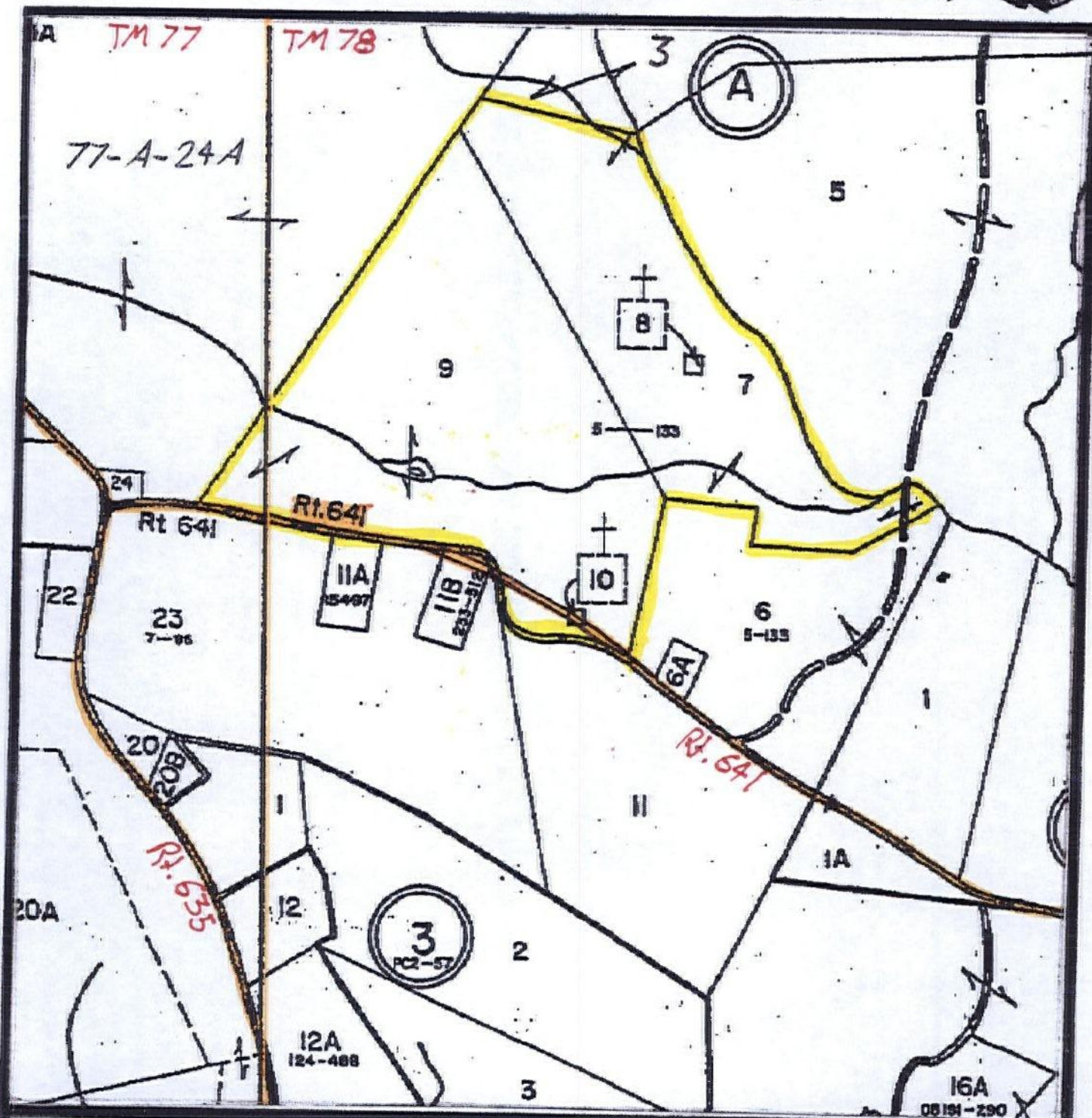
LUJDL 6-27

TAX MAP



Inc.

(Biosolids Land Application)



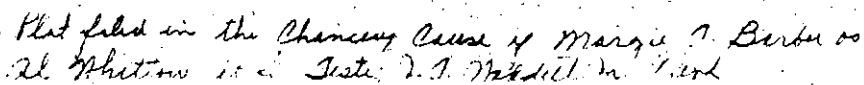
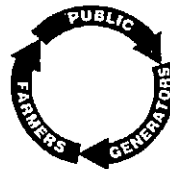
Scale: 1 inch = 660 feet

LUJDL 6-9

TAX MAP



(Biosolids Land Application)



LUJDL 6-9



Inc.



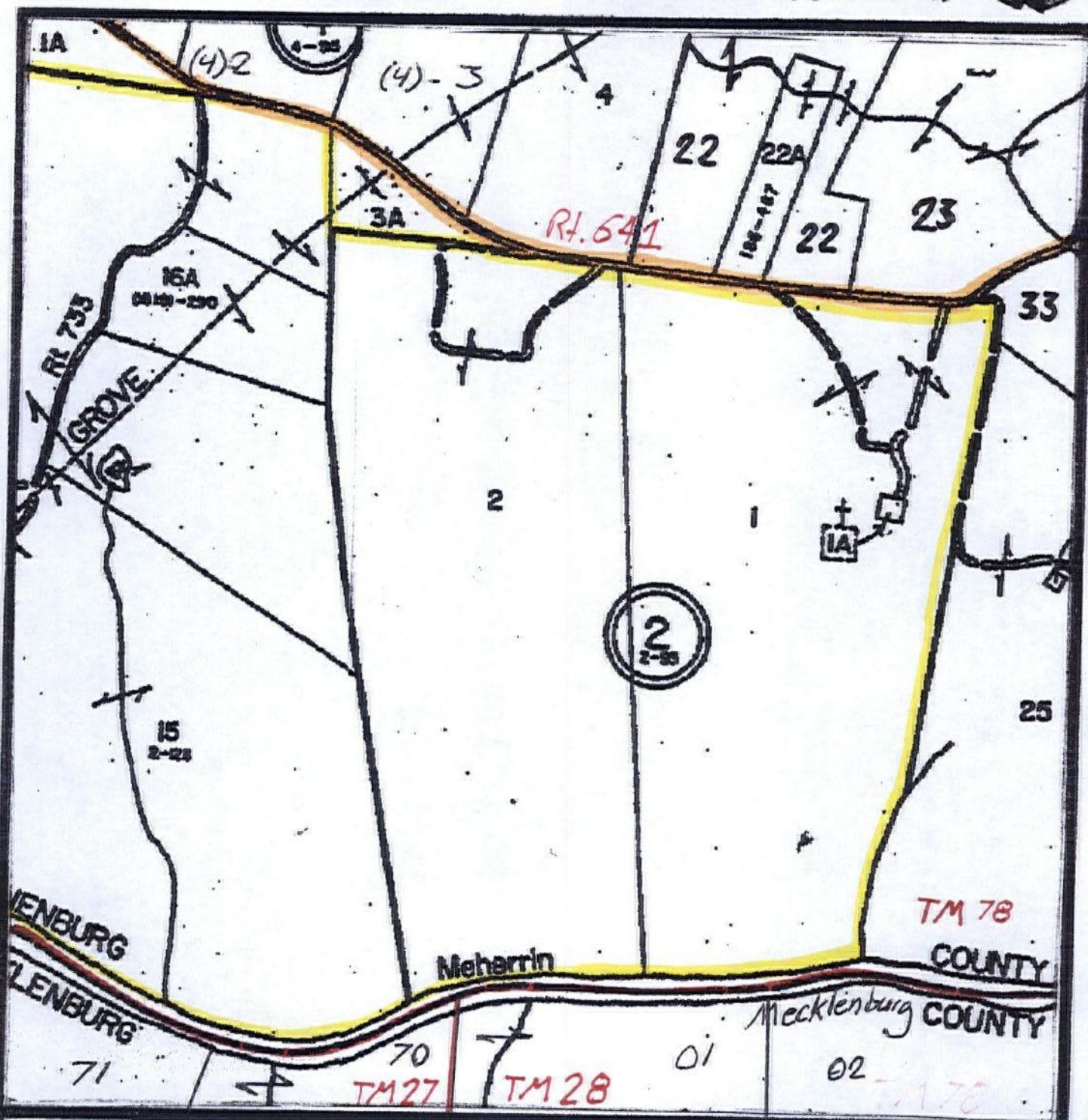
LUJDL 10-18

TAX MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale:

1 inch = 660 feet

LUJDL 19-27

TAX MAP



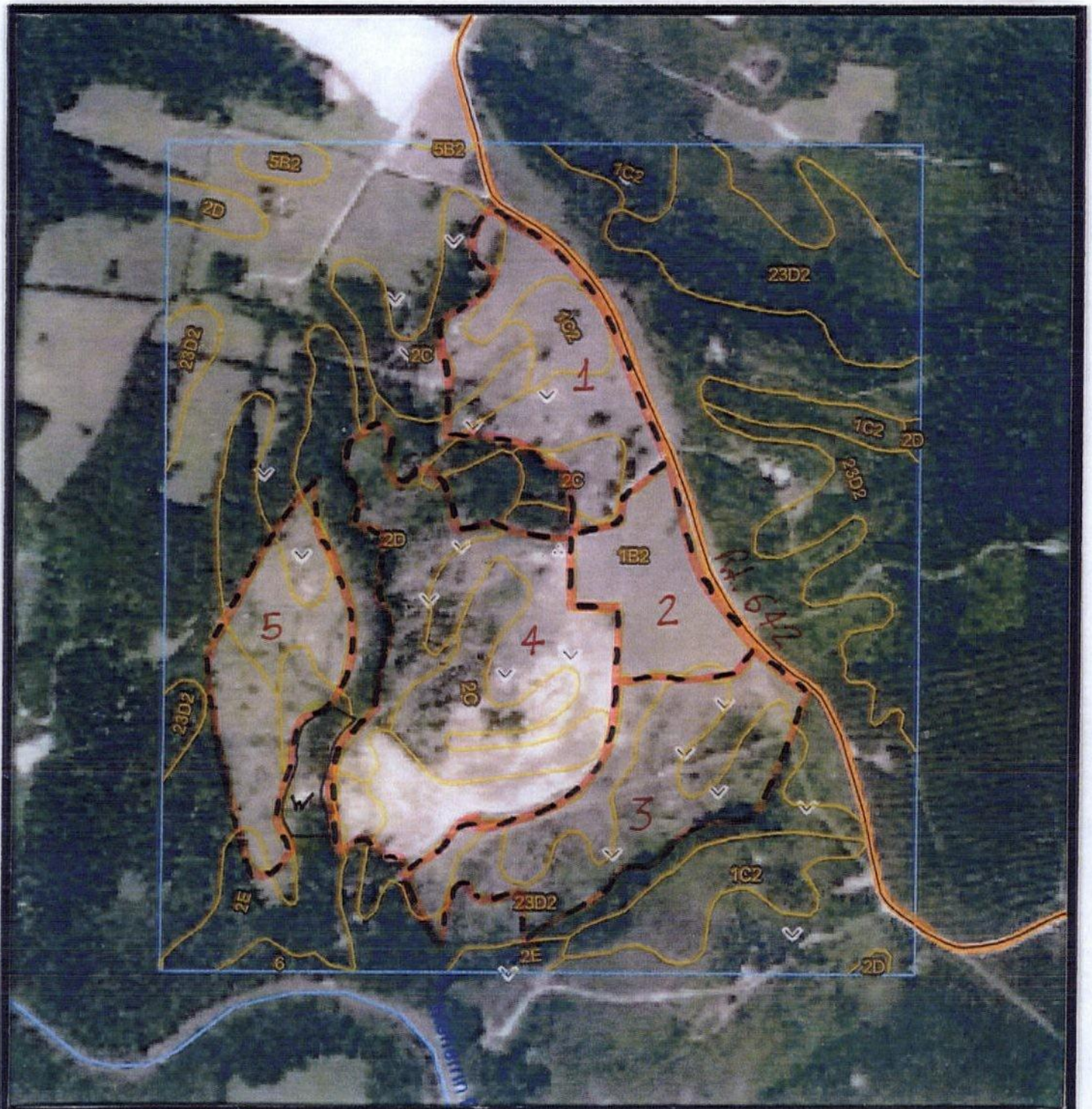
ADJOINING LANDOWNERS

John D Lacks Site

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
27	(A)77A	Myrl W C Crowder Jr.
27	(A)C	Nina C Rash
28	(A)01	John B Warren
28	(A)02	John B Warren
40	(A)26	Nina Elizabeth Crowder
40	(A)71	Myrl W C Crowder Jr.
40	(A)70	Almalyle L Warren
77	(A)7	George or Beth P Hoffer
77 "	(A)77A	Little Cabin III CC
77	(A)77B	George or Beth P Hoffer
77	(A)8	Wilma R or Stuart F Miller
77	(A)9	Ralph J. Bagley
77	(A)17	Arbortech Forest Products Inc.
77	(A)18	Shirley Stewart Miles
77	(A)19	James L L Jones
77	(A)21	mm Wright inc.
77	(1)22A	Claude H. Yeatts
77	(D)24B	Gloria E. Jones
77	(1)44	Raimy Jones Jr. Jr.
77	(1)5	John L or Sally J. Baglet
77	(1)6	John D. Lacks
77	(101)6A	John D. Lacks
77	(1)68B	Hohn R or Patricia B Fichter
78	(A)3	Shirley A Spence
78	(A)5	Joanne A Adreves & Richard Foster
78	(A)6	Joanne A Adreves & Richard Foster
78	(A)7	John D. Lacks
78	(A)9	John I Lacks or Penny D Lacks
78	(A)11	Danny Ray Lacks
78	(A)111A	James K K King
78	(A)11B	Coral Moore Sr
78	(A)12A	Joe & Catharine B Hlostetter
78	(A)13	Cemetery

78	(A) 14	John D. or Ellen Lacks
78	(A) 15	John D. Lacks
78	(A) 16	John D. Lacks
78	(A) 16A	Danny R Lacks
78	(A) 22	Diane Marie Compton
78	(A) 22A	William Miller or Melissa Joann Boethisberg
78	(A) 23	Charles Fitzgerald Carter Hahl
78	(A) 24A	Cemetery
78	(A) 25	W.A. or Mary C. Manning
78	(A) 33	William M. or L. Liddsey T. Warren
78	(2) 1	John D. Lacks
78	(2) 1A	Cemetery
78	(2) 2	John D. Lacks
78	(3) 1A	Clarence W. & Anthony A. Bowen
78	(3) 2	Paul M. Bowen
78	(3) 3	Joe Lewis or Catherine B. H. Foster
78	(4) 1A	Danny R Lacks
78	(4) 2	James R. R. Compton Jr.
78	(4) 3A	Danny R Lacks
78	(4) 4	Diane C. Lively



Scale:

1 inch = 660 feet

LUJDL 1-5

SOIL MAP



(Biosolids Land Application)



1 inch = 660 feet

LUJDL 6-9

SOIL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUJDL 10-18

SOIL MAP





Scale: 1 inch = 660 feet

LUJDL 19-27

SOIL MAP





TN 639

Scale: 1 inch = 660 feet

LUJDL 1-5

AERIAL MAP





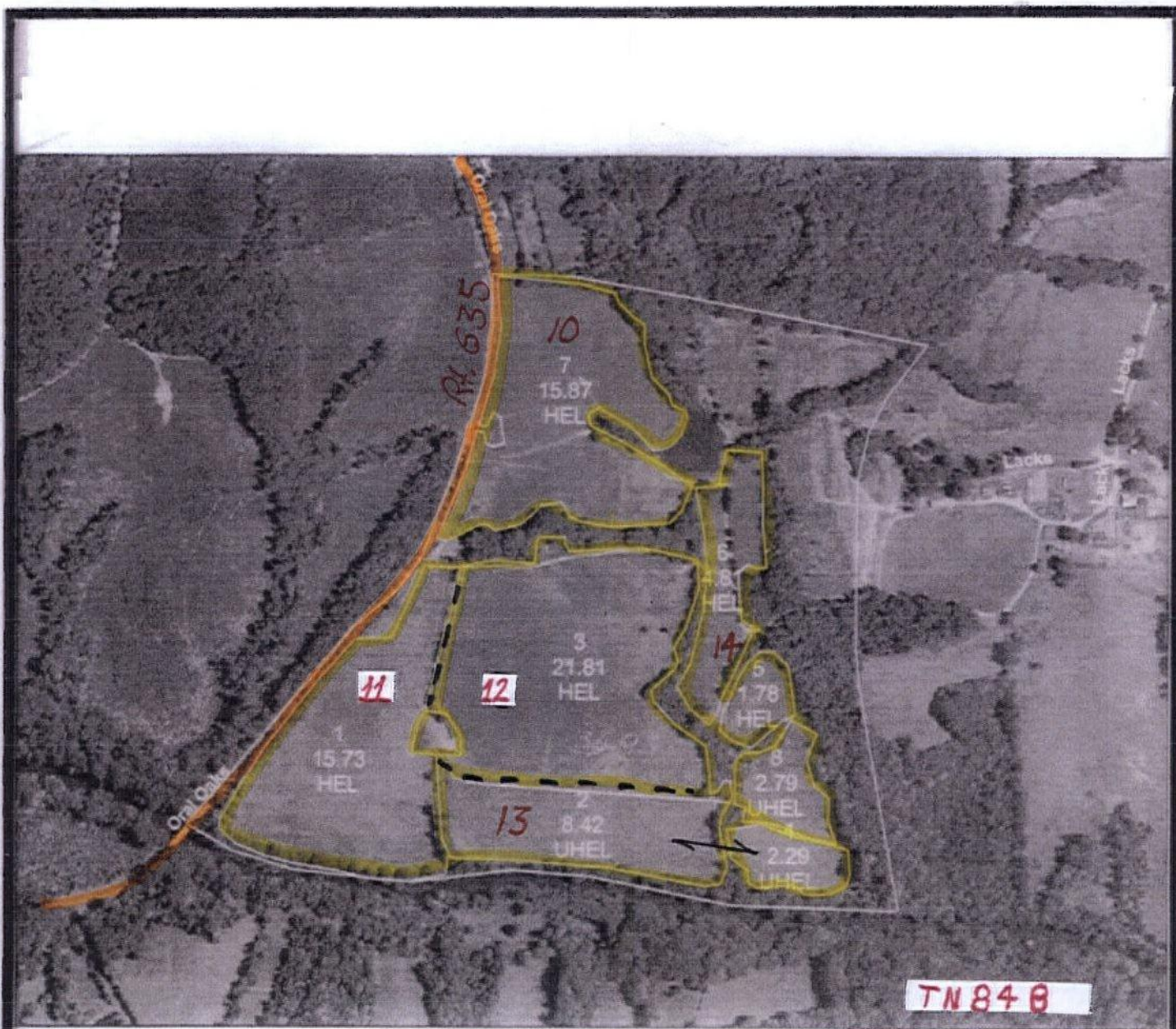
TN828

Scale: 1 inch = 660 feet

LUJDL 6-9

AERIAL MAP





Scale:

1 inch = 660 feet

LUJDL 10-14

AERIAL MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)

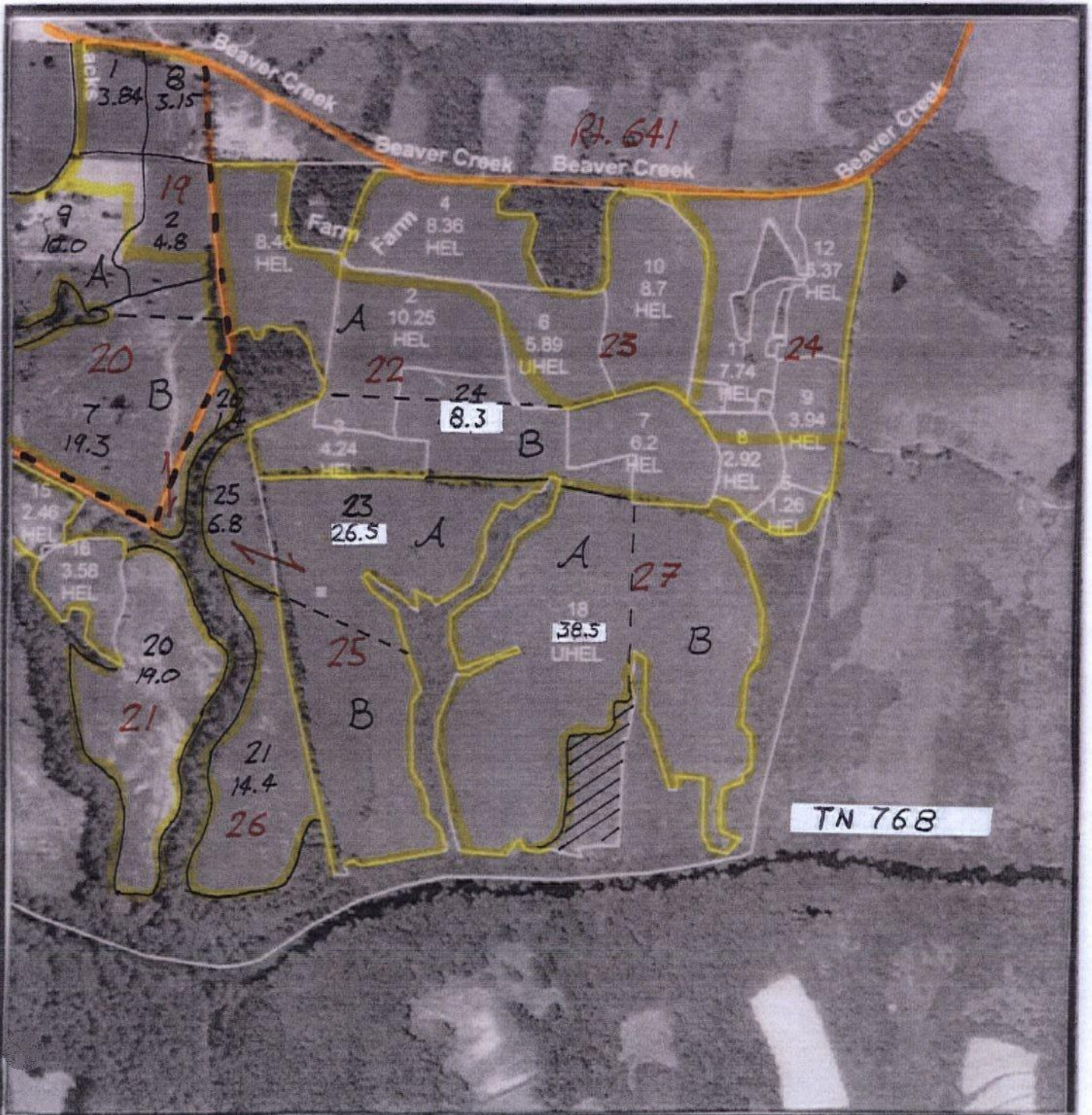


Scale: 1 inch = 660 feet

LUJDL 15-21, 25, 26

AERIAL MAP





Scale: 1 inch = 660 feet

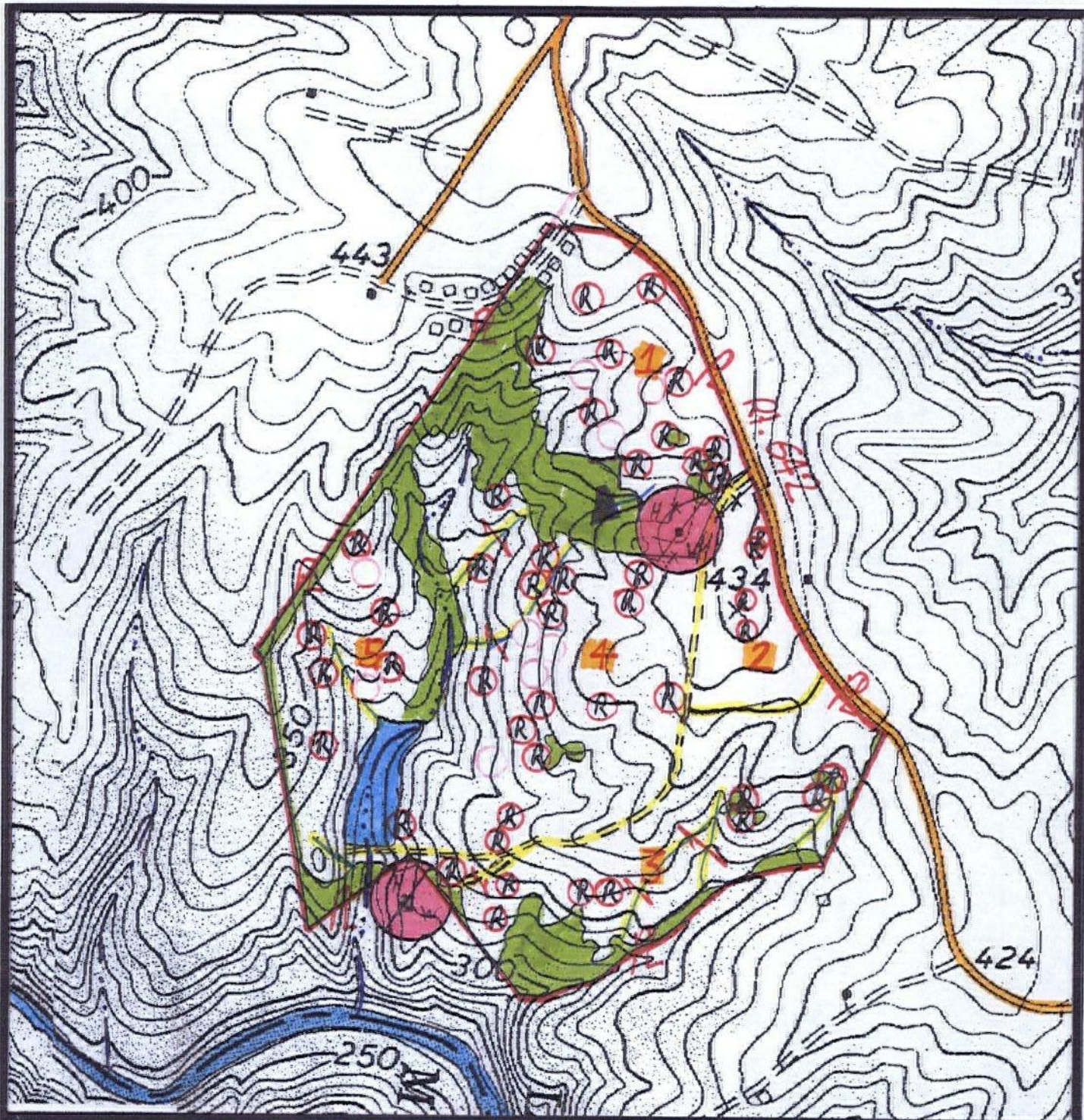
LUJDL 19-27

AERIAL MAP



Legend for Site Plan

	House and Well
 	Well / Spring
 	Perennial Streams & Surface
	Wet Spot
	Intermittent Stream / Drainage
	Trees and Woods
	Private Drive
	Rock / Rocky Area
	Sinkhole
	Severely Eroded Spot
	State Road
 	Field Boundary / Fence
	
	Slope
	Frequent Flooded Soil



Scale: 1 inch = 660 feet

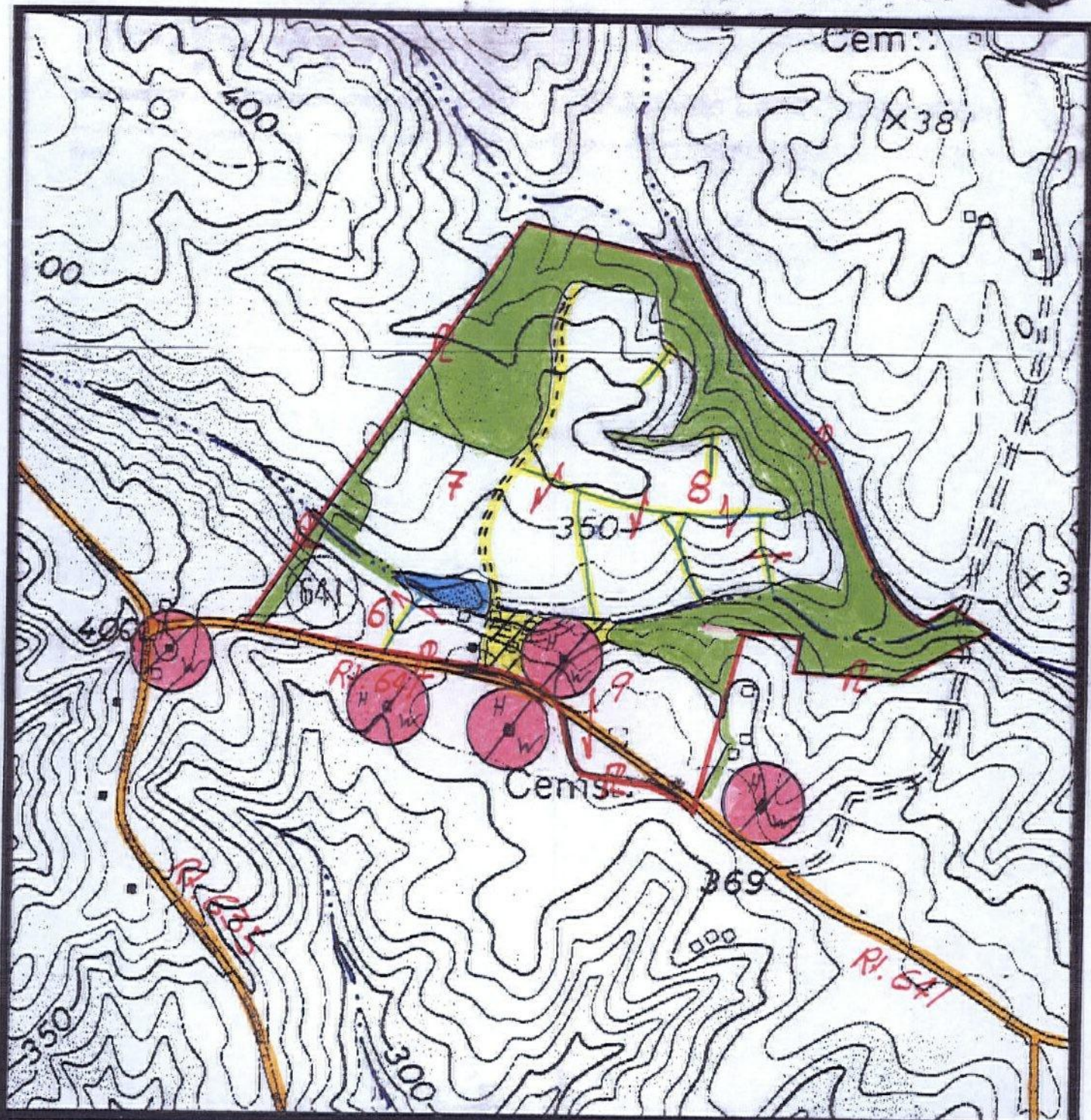
LUJDL 1-5

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

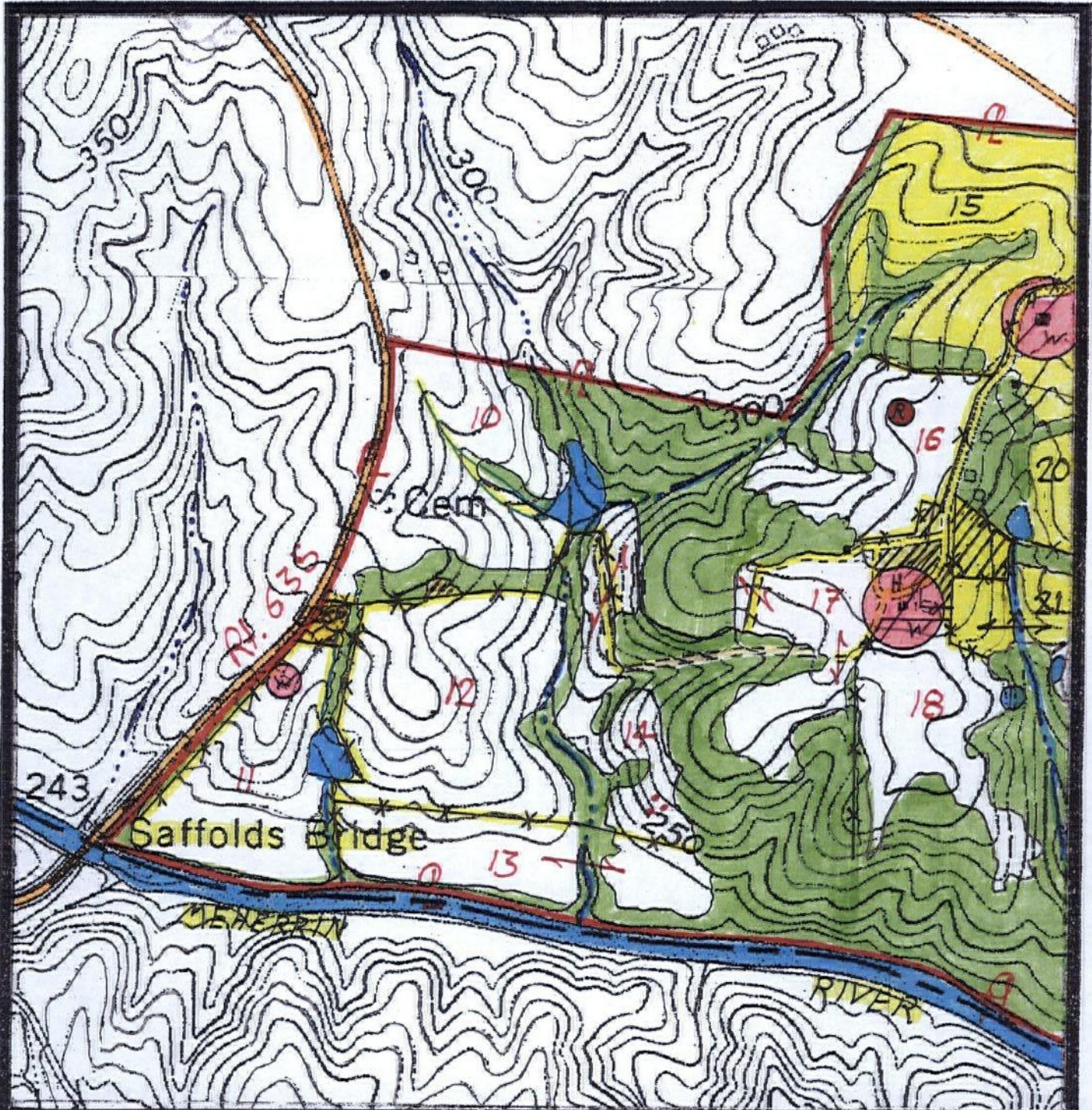
LUJDL 6-9

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



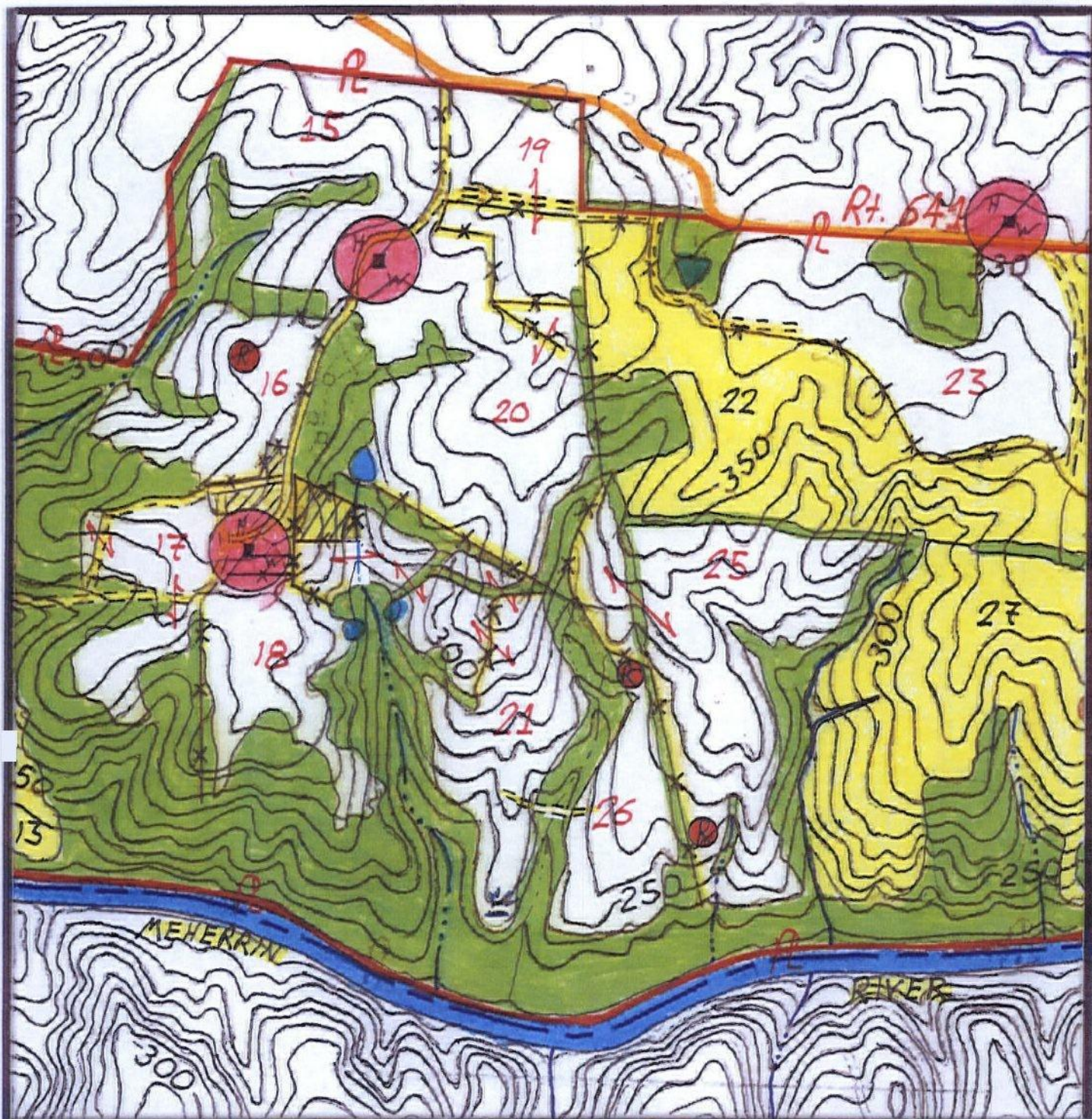
Scale:

1 inch = 660 feet

LUJDL 10-14, 16-18

SITE PLAN





Scale:

1 inch = 660 feet

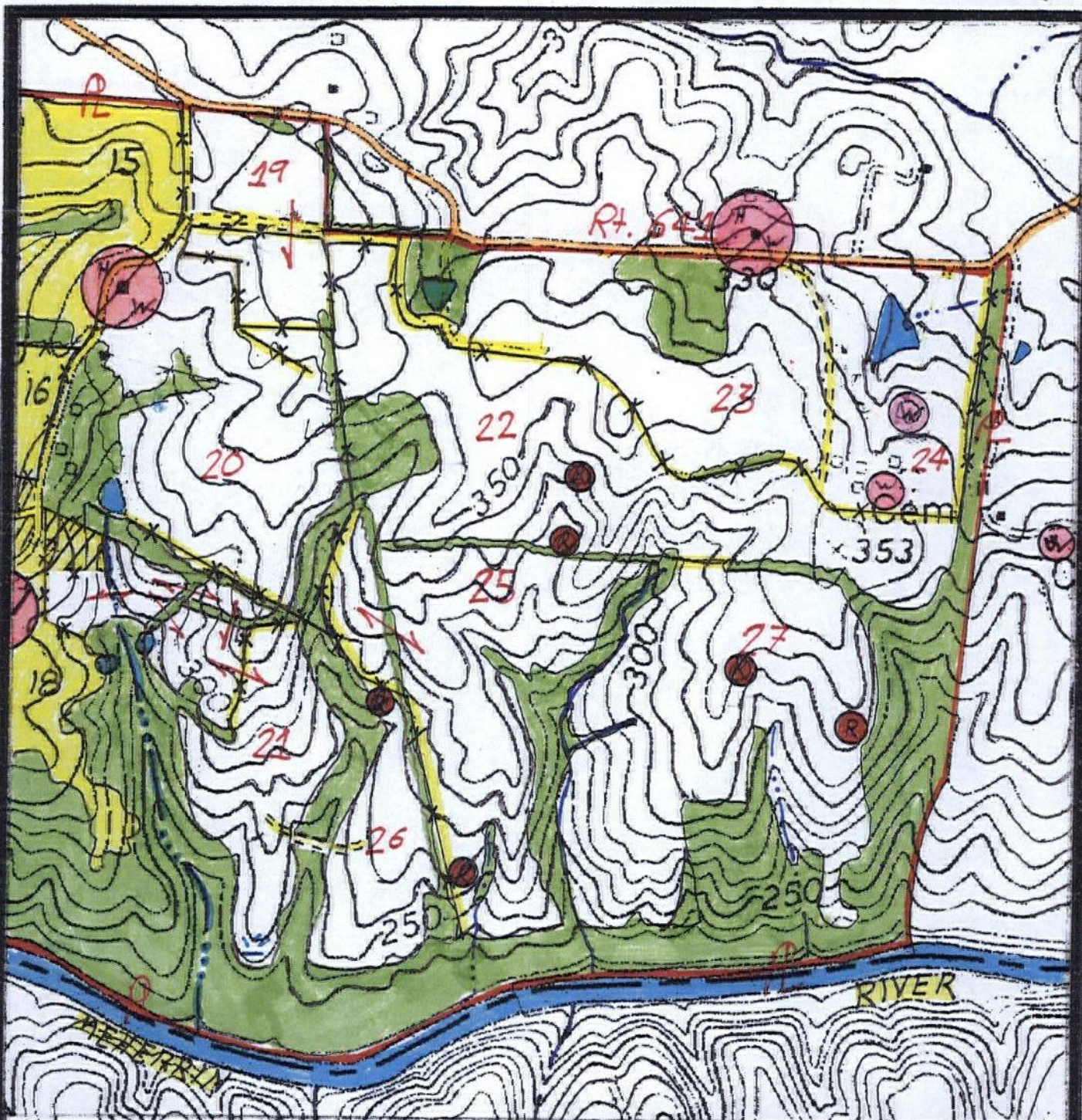
LUJDL 15-21, 23, 25

SITE PLAN



Recyc SystemsTM Inc.

(Biosolids Land Application)



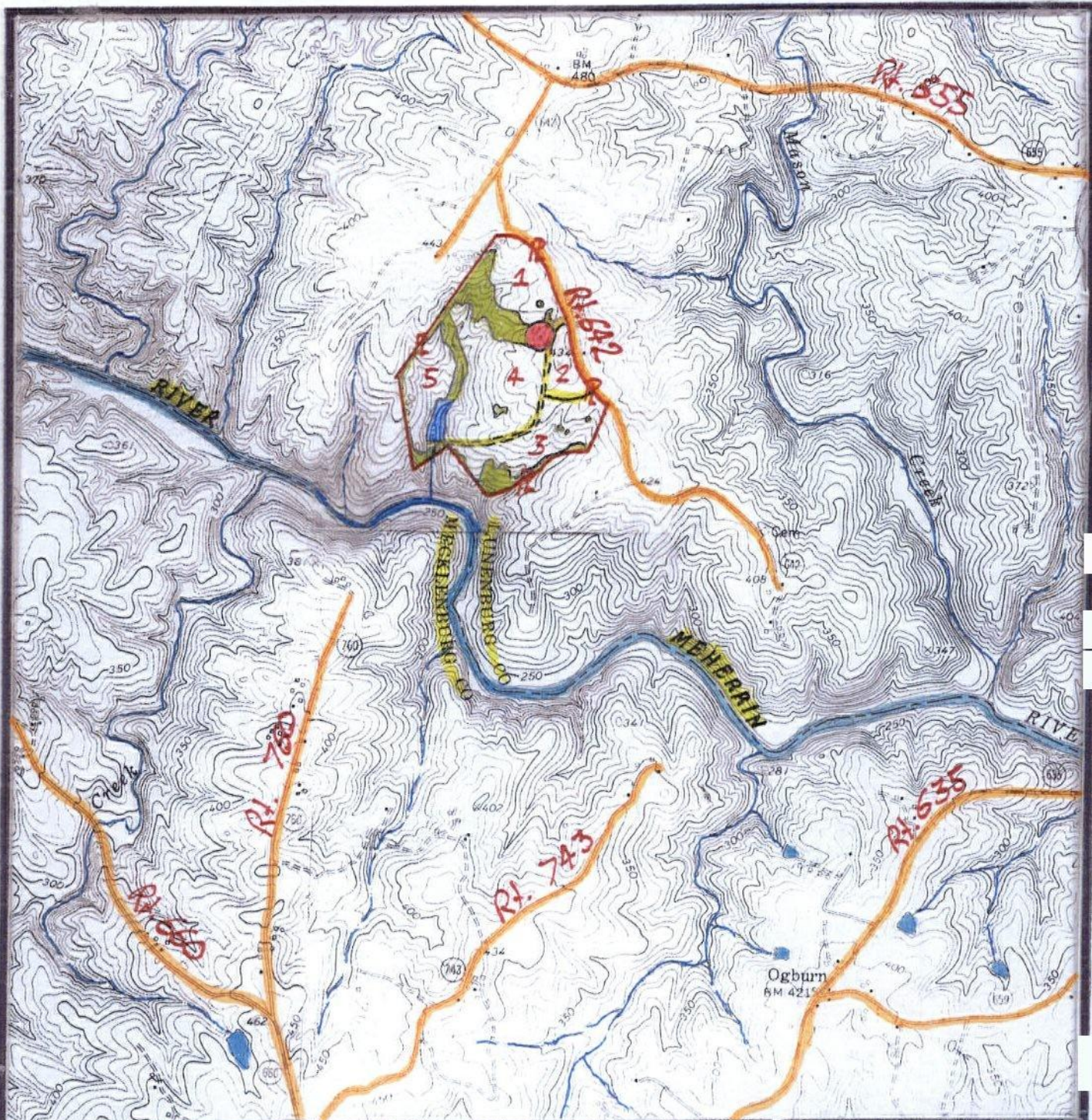
Scale: 1 inch = 660 feet

LUJDL 19-27

SITE PLAN



Recyc SystemsTM
Inc. (Biosolids Land Application)



Scale: 1 inch = 2,000 feet

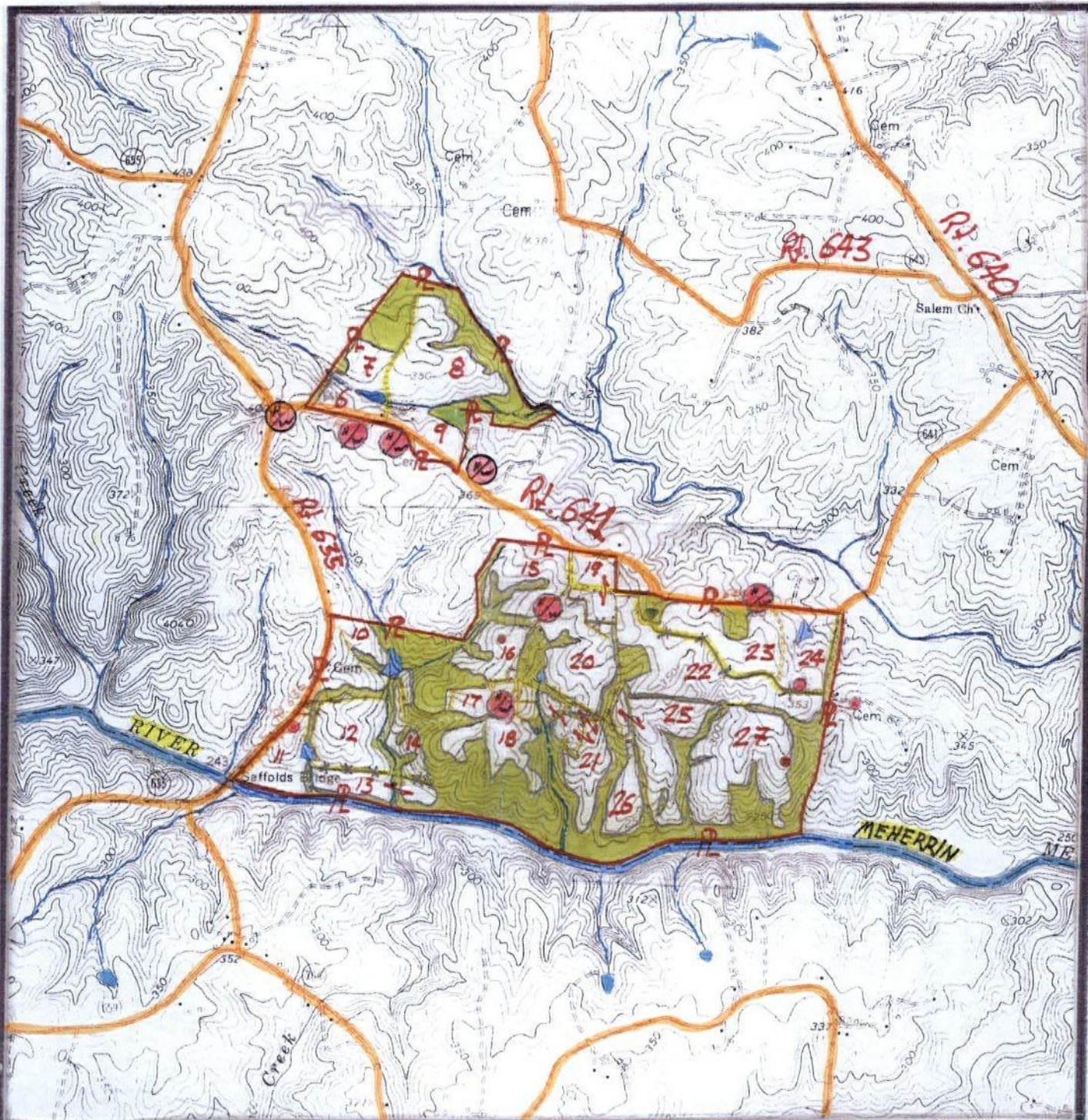
LUJDL 1-5

TOPOGRAPHIC MAP



Recyc SystemsTM Inc.

(Biosolids Land Application)



Scale: 1 inch = 2,000 feet

LUJDL 6-27

TOPOGRAPHIC MAP

